

PRINTING APPARATUS AND METHOD FOR MAINTAINING TEMPERATURE OF A PRINTHEAD

Abstract

A printing apparatus includes a printhead for ejecting ink from a plurality of sets of nozzles. The printhead includes a substrate and a plurality of heaters arranged on the substrate for heating ink in the printhead to generate bubbles in the ink and eject the ink through corresponding nozzles. The printing apparatus also includes a data transducer for translating raw data into printing data, a counter for counting a total quantity of printing data value sent to each set of nozzles, a memory for storing the total quantity of printing data value corresponding to each set of nozzles, and a head driver circuit. The head driver circuit generates printing signals and non-printing signals corresponding to each set of nozzles according to the printing data provided by the data transducer and the total quantity of printing data value stored in the memory.